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DIALOG(R) File 351:Derwent WPI

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Catalyst component for olefin polymerisation - is obtd. from organic acid ester, liq. titanium halide and solid reaction prod of magnesium halide and GP-I-GP-IV metal alkoxide

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Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 61145207	A	19860702	JP 84268028	A	19841219	198633 B
JP 95000642	B2	19950111	JP 84268028	A	19841219	199506

Priority Applications (No Type Date): JP 84268028 A 19841219

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 61145207	A	8		
JP 95000642	B2	7	C08F-004/658	Based on patent JP 61145207

Abstract (Basic): JP 61145207 A

A catalyst component comprises a prod. obtd. by contacting (A) a solid component obtd. by contacting the grain surface thin layer of a prod. obtd. by contacting a Mg halide cpd. with an alkoxy gp. contg. cpd. of Gp. I-IV metal with an alcohol cpd. with (B) an organic acid ester and (C) a liq. Ti halide cpd. and has 10-100 micron of average grain size. Mg halide cpd. is, e.g. MgF₂, MgCl₂, MgBr₂, Mg(OC₂H₅)Cl, Mg(OC₆H₅)Cl, Mg(OH)Cl. The alkoxy gp. contg. cpd. is, e.g. Li(OC₂H₅), Ca(OC₂H₅)₂, Zn(OC₂H₅)₂, Mg(OC₂H₅)₂, Si(OC₂H₅)₄, Ti(OC₂H₅)₄, Zr(OC₂H₅)₄, Sn(OC₂H₅)₄, Si(OC₂H₅)₃Cl, Si(OC₂H₅)₂Cl₂, Al(OC₂H₅)₂Cl, Ti(OC₂H₅)₃Cl, VO(O-nC₄H₉)₃, Ti(OiC₃H₇)₂Br₂. The alcohol cpd. is, e.g. methanol, n-octanol, 2-ethylhexanol, ethylene glycol, ethylene glycol monomethylether, ethylene glycol monoacetate, phenylsilanetriol. (B) is, e.g. ethyl acetate, octyl laurate, dibutyl maleate, methyl toluate, diethyl phthalate, diethyl terephthalate. (C) is, e.g. TiCl₄, TiBr₄, Ti(OC₂H₅)Cl₃, Ti(O-C₆H₅)Cl₃, TiCl₄.C₆H₅NO₂, TiCl₄.CH₃COCl.

ADVANTAGE - The polymerisation using the catalyst component gives the polymer having a high activity, comparatively large grain size and controlled grain size distribution. (8pp Dwg.No.0/0)

Derwent Class: A17

International Patent Class (Main): C08F-004/658

International Patent Class (Additional): C08F-004/64; C08F-010/00

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